

## INJECTION MOLDING METHOD

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### Abstract of JP3248822

**PURPOSE:** To make it possible to realize a complicated shape and to enhance productivity by means of multiple cavity tooling by a method wherein a hollow molded item is produced by injection molding under the condition that a solidified member formed by solidifying liquid into the predetermined shape, is inserted in a mold and, after that, the solidified member is discharged outside through the mouth part of the molded item after being reconstituted to the liquid. **CONSTITUTION:** A mold 1 consists of split molds 1a and 1b and has a small hole. Under the condition that solid member 2, which is formed by solidifying water in the same shape as the inner surface of a hollow molded item, is inserted in the mold by opening it and then closing it again so as to hold the solid member 2 at the predetermined position in the mold 1, injection molding is performed by the publicly known injection molding method. After the solidification of a hollow molded item 4, the solid member 2 is reconstituted to the liquid and discharged outside through a small hole 4a so as to obtain the hollow molded item 4 having the small hole.

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